

Figure: Version with display

Features

- TÜV-tested differential pressure transmitter for natural gas
- Design changes and technical modifications keep ignition source and gas mixture safely separated (not suitable for Ex-applications)
- Scalable measurement range and display
- For pressure and volume flow measurement
- Zero-point correction prevents zero-point drift
- Built-in valve provides a high level of overload protection
- Also suitable for top-hat rail mounting
- Multilingual menu (English/French/German/Italian)
- Extensive configuration options via: internal RS232 interfaces by means of free parameterization software or optional display and operating keys

Order code	A	B	C	D	E	F	G
P29							

Output ²⁾ (linear/root-extracted)	A
0..10 V ($R_L \geq 2 \text{ k}\Omega$)	1
0..20 mA ($R_L \leq 500 \Omega$)	0
4..20 mA ($R_L \leq 500 \Omega$)	4
$\pm 5 \text{ V}$ ($R_L \geq 2 \text{ k}\Omega$)	5

²⁾ output signals can be configured freely

Power supply	B
24 VDC $\pm 10 \%$	24 DC

Measurement range	C
Measurement range e.g. 0..250 Pa, 0..100 mmHg (etc.)	

Measurement accuracy	D
$\pm 0.2 \%$ FS	2
$\pm 0.5 \%$ FS	S

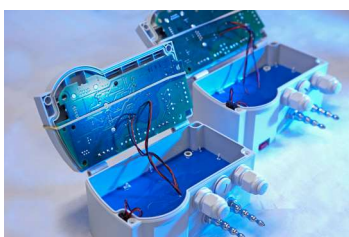
Display + keyboard	E
none	0
multi-coloured LCD and keyboard	LC



Tubing connections	F
standard for tubing ID 5..8 mm	0
cutting ring coupling 6 mm	S6
cutting ring coupling 8 mm	S8

Calibration certificate	G
none	0
Factory calibration	I
Calibration according to DKDR-6-1	D

Can be pre-set on request:
Time constant, relay parameter,
analogue output root-extracted/li-
near, deactivation of the cyclic
zeroing



Measurement ranges others available upon request	250/500 Pa 1/2.5/5/10 kPa freely scalable from 10..100 % within a measurement range
Measurement accuracy ¹⁾	$\pm 0.2 \%$ FS or $\pm 0.5 \%$ FS
Temperature coefficient span	max. 0.03 % FS/K
Temperature coefficient zero point	$\pm 0\%$ (cyclical/manual zero-point correction)
Overload capacity	at least 200 times, but a maximum of 100 kPa
Medium	natural gas
Max. system pressure	100 kPa for all measurement ranges
Step response time (T63) (Time constant)	25 ms..60 s (adjustable)
Rated temperature range	10..50 °C
Storage temperature	-10..70 °C
Power consumption	approx. 6 VA
Weight	approx. 750 g
Cable glands	2 x M16 clamping range $\varnothing 5 \dots 10 \text{ mm}$
Protection class	IP65
Certificates	CE/UKCA, EN1127-1:2019

¹⁾ Measurement accuracy for the reference 0.3 Pa, for measuring ranges $\leq \pm 1.5 \text{ kPa}$